

FORM PTO-1390  
(REV 10-2000)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

60130-1281/99AUT244

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

09/980745

INTERNATIONAL APPLICATION NO.  
PCT/GB00/01772 ✓INTERNATIONAL FILING DATE  
05/10/2000 ✓PRIORITY DATE CLAIMED  
05/15/1999 ✓

TITLE OF INVENTION CABLE FOR RELEASING A BOOT LATCH

APPLICANT(S) FOR DO/EO/US Nigel Victor Spurr

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to promptly begin national examination procedures (35 U.S.C. 371(f)).
4. ☒ The US has been elected by the expiration of 19 months from the priority date (PCT Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☒ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

**Items 11 to 16 below concern document(s) or information included:**

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A **FIRST** preliminary amendment.  
☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
14. ☐ A substitute specification.
15. ☐ A change of power of attorney and/or address letter.
16. ☒ Other items or information: **CERTIFICATE OF EXPRESS MAIL**

I hereby certify that the enclosed Documents are being deposited with the United States Postal Service as Express Mail, postage prepaid, in an envelope as "Express Mail Post Office to Addressee," mailing label No. EL 747 232 960 US, and addressed to Box PCT, Assistant Commissioner of Patents and Trademarks, Washington D.C. 20231 on this 14TH day of November, 2001.

  
 Raimi Blackerby

Form PTO-1390 (REV 10-2000) page 2 of 2

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Nigel Victor Spurr  
Serial No.: Unknown  
Filed: Herewith  
Priority PCT/GB00/01772 Filed: May 10, 2000  
GB 99 11260.9 Filed: May 15, 1999  
Group Art Unit: Unknown  
Examiner: Unknown  
Title: CABLE FOR RELEASING A BOOT LATCH

**PRELIMINARY AMENDMENT**

Box PCT  
Assistant Commissioner of Patents  
Washington, D.C. 20231

Dear Sir:

Please amend the application in the following particulars prior to Examination.

**IN THE SPECIFICATION:**

Page 1, after the title and before the first paragraph, please insert the following section heading:

**BACKGROUND OF THE INVENTION**

Page 1, before the third full paragraph, please insert the following section heading:

**SUMMARY OF THE INVENTION**

Page 1, before the sixth full paragraph, please insert the following section heading:

**BRIEF DESCRIPTION OF THE DRAWINGS**

Page 1, before the seventh full paragraph, please insert the following section heading:

**DETAILED DESCRIPTION OF A PREFERRED EMBODIMENT**

Please insert the following paragraph at the end of page 3.

The foregoing description is only exemplary of the principles of the invention. Many modifications and variations of the present invention are possible in light of the above teachings. The preferred embodiments of this invention have been disclosed, however, so that one of ordinary skill in the art would recognize that certain modifications would come within the scope of this invention. It is, therefore, to be understood that within the scope of the appended claims, the invention may be practiced otherwise than as specially described. For that reason the following claims should be studied to determine the true scope and content of this invention.

**IN THE CLAIMS:**

Page 4, before the first claim, please insert the section heading:

--What is claimed is:--

Please replace claims 1-17 as follows:

1. (AMENDED) A cable for connection at a first cable end to a remote cable pull mechanism and for connection at a second cable end to a latch, movement of the first cable end causing movement of the second cable end and in which an intermediate cable pull mechanism is provided between the first and second ends, movement of which causes movement of the second cable end.
2. (AMENDED) The cable as defined in claim 1 in which the intermediate cable pull mechanism is in the form of a cable attachment fixedly attached to the cable.
3. (AMENDED) The cable as defined in claim 2 in which the cable attachment projects on at least two opposing sides of the cable.

4. (AMENDED) The cable as defined in claim 1 which is partially sleeved by sleeving.

5. (AMENDED) The cable as defined in claim 4 which is partially sleeved between the intermediate cable pull mechanism and the first cable end by a first portion of sleeving.

6. (AMENDED) The cable as defined in claim 4 which is partially sleeved between the intermediate cable pull mechanism and the second cable end by a second portion of sleeving.

7. (AMENDED) The cable as defined in claim 6 in which an end of the first portion of sleeving proximate the intermediate cable pull mechanism abuts a first abutment and an end of the second portion of sleeving proximate the intermediate cable pull mechanism abuts a second abutment in which the first and second abutments are fixed relative to each other.

8. (AMENDED) The cable as defined in claim 7 in which the first and second abutments form part of a housing open on at least one side.

9. (AMENDED) A latch arrangement comprising: a cable for connection at a first cable end to a remote cable pull mechanism and for connection at a second cable end to a latch, movement of the first cable end causing movement of the second cable end and in which an intermediate cable pull mechanism is provided between the first and second ends, movement of which causes movement of the second cable end, a latch and a remote cable pull mechanism.

10. (AMENDED) The latch arrangement as defined in claim 9 in which the cable is partially sleeved between the intermediate cable pull mechanism and the first cable end by a first portion of sleeving and partially sleeved between the intermediate cable pull mechanism and the second cable end by a second portion of sleeving and at least one end of the first or second portion of sleeving proximate the intermediate cable pull means abuts a respective abutment fast with an adjacent structure.

11. (AMENDED) The latch arrangement as defined in claim 9 in which an end of the first portion of sleeving proximate the intermediate cable pull mechanism abuts a first abutment and an end of the second portion of sleeving proximate the intermediate cable pull mechanism abuts a second abutment in which the first and second abutments are fixed relative to each other and the first and second abutments are fixed fast with an adjacent structure.

12. (AMENDED) The latch arrangement as defined in claim 10 in which the adjacent structure is fixed relative to the latch.

13. (AMENDED) The latch arrangement as defined in claim 10 in which the adjacent structure is fixed relative to the remote cable pull mechanism.

14. (AMENDED) The latch arrangement as defined in claim 10 in which the latch can move relative to said adjacent structure.

15. (AMENDED) A vehicle comprising: a cable for connection at a first cable end to a remote cable pull mechanism and for connection at a second cable end to a latch, movement of the first cable end causing movement of the second cable end and in which an intermediate cable pull mechanism is provided between the first and second ends, movement of which causes movement of the second cable end, a latch and a remote cable pull mechanism in which at least one of the intermediate cable pull mechanism and remote cable pull mechanism is accessible from within a boot compartment of the vehicle.

16. (AMENDED) The vehicle as defined in claim 15 in which the adjacent structure is fixed relative to a boot lid of the vehicle.

17. (AMENDED) The vehicle as defined in claim 15 in which the adjacent structure is fixed relative to the vehicle body.

Please delete claim 18.

**REMARKS**

Applicant respectfully requests examination of this application.

Respectfully submitted,

**CARLSON, GASKEY & OLDS, P.C.**



Karin H. Butchko  
Registration No. 45,864  
Attorneys for Applicant  
400 West Maple Road, Suite 350  
Birmingham, Michigan 48009  
(248) 988-8360

Dated: November 15, 2001

**VERSION WITH MARKINGS TO SHOW CHANGES MADE**  
**SPECIFICATION**

Page 1, after the title and before the first paragraph, please insert the following section heading:

**BACKGROUND OF THE INVENTION**

Page 1, before the third full paragraph, please insert the following section heading:

**SUMMARY OF THE INVENTION**

Page 1, before the sixth full paragraph, please insert the following section heading:

**BRIEF DESCRIPTION OF THE DRAWINGS**

Page 1, before the seventh full paragraph, please insert the following section heading:

**DETAILED DESCRIPTION OF A PREFERRED EMBODIMENT**

Please insert the following paragraph at the end of page 3.

The foregoing description is only exemplary of the principles of the invention. Many modifications and variations of the present invention are possible in light of the above teachings. The preferred embodiments of this invention have been disclosed, however, so that one of ordinary skill in the art would recognize that certain modifications would come within the scope of this invention. It is, therefore, to be understood that within the scope of the appended claims, the invention may be practiced otherwise than as specially described. For that reason the following claims should be studied to determine the true scope and content of this invention.



**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

**CLAIMS**

Page 4, before the first claim, please insert the section heading:

--What is claimed is:--

Please replace claims 1-17 as follows:

1. (AMENDED) A cable for connection at a first cable end to a remote cable pull mechanism [means] and for connection at a second cable end to a latch, movement of the first cable end causing movement of the second cable end and in which an intermediate cable pull mechanism [means] is provided between the first and second ends, movement of which causes movement of the second cable end.
2. (AMENDED) The [A] cable as defined in claim 1 in which the intermediate cable pull mechanism [means] is in the form of a cable attachment fixedly attached to the cable.
3. (AMENDED) The [A] cable as defined in claim 2 in which the cable attachment projects on at least two opposing sides of the cable.
4. (AMENDED) The [A] cable as defined in [any preceding] claim 1 which is partially sleeved by sleeving.
5. (AMENDED) The [A] cable as defined in claim 4 which is partially sleeved between the intermediate cable pull mechanism [means] and the first cable end by a first portion of sleeving.
6. (AMENDED) The [A] cable as defined in claim 4 [or 5] which is partially sleeved between the intermediate cable pull mechanism [means] and the second cable end by a second portion of sleeving.

7. (AMENDED) The [A] cable as defined in claim [5 and] 6 in which an end of the first portion of sleeving proximate the intermediate cable pull mechanism [means] abuts a first abutment and an end of the second portion of sleeving proximate the intermediate cable pull mechanism [means] abuts a second abutment in which the first and second abutments are fixed relative to each other.

8. (AMENDED) The [A] cable as defined in claim 7 in which the first and second abutments form part of a housing open on at least one side.

9. (AMENDED) A latch arrangement comprising: [including] a cable for connection at a first cable end to a remote cable pull mechanism and for connection at a second cable end to a latch, movement of the first cable end causing movement of the second cable end and in which an intermediate cable pull mechanism is provided between the first and second ends, movement of which causes movement of the second cable end [as defined in any preceding claim], a latch and a remote cable pull mechanism [means].

10. (AMENDED) The [A] latch arrangement as defined in claim 9 in which the cable is partially sleeved between the intermediate cable pull mechanism and the first cable end by a first portion of sleeving and partially sleeved between the intermediate cable pull mechanism and the second cable end by a second portion of sleeving and [when dependent upon Claim 5 or 6 in which] at least one end of the first or second portion of sleeving proximate the intermediate cable pull means abuts a respective abutment fast with an adjacent structure.

11. (AMENDED) The [A] latch arrangement as defined in claim 9 in which an end of the first portion of sleeving proximate the intermediate cable pull mechanism abuts a first abutment and an end of the second portion of sleeving proximate the intermediate cable pull mechanism abuts a second abutment in which the first and second abutments are fixed relative to each other and [when dependent upon Claim 7 or 8 in which] the first and second abutments are fixed fast with an adjacent structure.

12. (AMENDED) The [A] latch arrangement as defined in claim 10 [or 11] in which the adjacent structure is fixed relative to the latch.

13. (AMENDED) The [A] latch arrangement as defined in claim 10 [or 11 or 12] in which the adjacent structure is fixed relative to the remote cable pull mechanism [means].

14. (AMENDED) The [A] latch arrangement as defined in claim 10 [any one of the claims 10 to 13] in which the latch can move relative to said adjacent structure.

15. (AMENDED) A vehicle comprising: a cable for connection at a first cable end to a remote cable pull mechanism and for connection at a second cable end to a latch, movement of the first cable end causing movement of the second cable end and in which an intermediate cable pull mechanism is provided between the first and second ends, movement of which causes movement of the second cable end, a latch and a remote cable pull mechanism [including a latch arrangement as defined in any one of claims 10 to 14] in which at least one of the intermediate cable pull mechanism and [means or] remote cable pull mechanism [means] is accessible from within a boot compartment of the vehicle.

16. (AMENDED) The [A] vehicle as defined in claim 15 in which the adjacent structure is fixed relative to a boot lid of the vehicle.

17. (AMENDED) The [A] vehicle as defined in claim 15 in which the adjacent structure is fixed relative to the vehicle body.

CABLE FOR RELEASING A BOOT LATCH

The present invention relates to cables and in particular cables for releasing latch mechanisms such as automobile boot latch mechanisms.

People, in particular children, have been known to become trapped within a boot compartment of an automobile in which, once the boot door has been closed there is no means accessible to the child now trapped within the boot for opening the boot door.

It is an object of the present invention to provide a cable which can be operated from two distinct positions.

Thus according to the present invention there is provided a cable for connection at a first cable end to a remote cable pull means and for connection at a second cable end to a latch, movement of the first cable end causing movement of the second cable end and in which an intermediate cable pull means is provided between the first and second cable ends, movement of which causes movement of the second cable end.

In particular preferably when the cable is used to unlatch an automobile boot door the remote release means or the intermediate release means is accessible to a person shut into the boot to enable them to release the boot latch.

The invention will now be described, by way of example only, with reference to figure 1 of the accompanying drawing which shows a cable according to the present invention along with associated components.

With reference to figure 1 there is shown a cable arrangement 10 comprising a cable 12 having a first end 12A and a second end 12B.

Situated between the first and the second ends is an intermediate cable pull means in the form of a cable attachment 14 which is secured fixedly to an intermediate portion of the cable. Cable attachment 14 includes a planar portion 16, the plane of which is aligned substantially perpendicularly to the line of the cable. In this case the cable passes

substantially through the centre of the planar portion, though in further embodiments this need not be the case.

However, preferably in further embodiments a cable attachment projects on at least two opposing sides of the cable.

The cable is sleeved by a first portion of sleeving 18 and a second portion of sleeving 20. Situated between sleeving 18 and 20 is a housing 22 which is open on one side to allow access to the cable attachment 14. The housing includes opposing holes 24 (only one shown) through which the cable can pass and abutments 26 (only one shown) against which the first portion of sleeving 18 and second portion of sleeving 20 act. The housing 22 is fixedly attached to adjacent structure 28 which in this case is the boot lid of an automobile. First end 12A of the cable is connected to a remote cable pull means 30 which in this case is a boot lid mounted key operated cable pull mechanism.

Second end 12B of the cable is connected to latch 32 and in particular the release mechanism (not shown) within latch 32.

Operation of the remote cable pull means causes moveable fork 34 to move the first end 12A of the cable substantially in the direction of arrow A whilst fixed fork 36 ensures that sleeving 18 remains stationary. Movement of the first cable end causes the second cable end release the latch 32.

The intermediate cable pull means is accessible to someone in the boot compartment in particular a child who has inadvertently secured the boot lid closed whilst in the boot compartment. By actuating the intermediate cable pull means the person or child can release themselves from the boot compartment. In this case actuation of the intermediate cable pull means is affecting by pulling on the attachment 14 by placing an index and middle finger of one hand on either side of the cable and pulling on the planar portion of the cable attachment.

It should be noted that abutments 26 are fixed relative to each other and also fixed relative to the adjacent structure 28.

In further embodiments the remote cable pull means could be a boot release lever situated in the passenger compartment of the car fixed relative to the body of the automobile. When the latch is situated in the boot lid, opening and closing of the boot moves the latch relative to the remote cable pull means. Under such circumstances the intermediate cable pull means can be secured either to the boot lid, to move with the latch 32, or can be secured to fixed structure such as a wall of a boot compartment and under such circumstances the latch 32 moves relative to the intermediate release means.

In yet further embodiments the latch and/or the intermediate cable pull means and/or the remote cable pull means can be attached to structure fixed relative to the body of the car.

In further embodiments the remote cable pull means could be actuated by someone trapped in the boot and the intermediate cable pull means could be actuated externally from the boot. Thus by way of example the positions of the boot lid mounted key operated cable pull mechanism 30 of figure 1 could be positioned to act on a ball situated part way along the cable and the cable attachment 14 could be positioned at the first end of the cable and still be accessible to someone trapped in the boot. Under these circumstances the person trapped would actuate what is now the remote cable pull means and someone opening the boot via the key would be acting on the intermediate cable pull means.

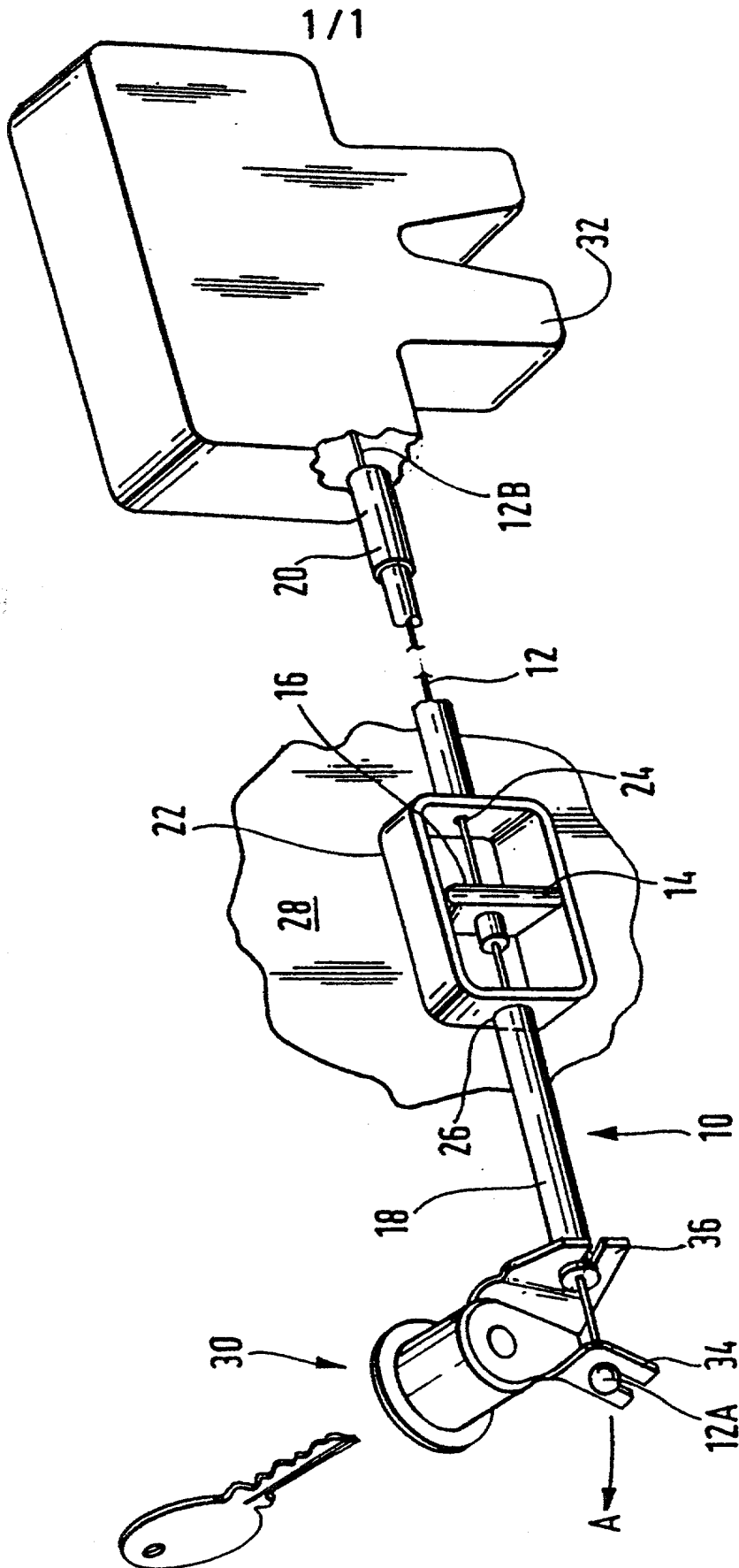
When the latch is a boot release latch and the intermediate cable pull means or remote cable pull means is situated within the boot compartment the invention provides for the means of opening the boot by someone trapped inside.

## CLAIMS

1. A cable for connection at a first cable end to a remote cable pull means and for connection at a second cable end to a latch, movement of the first cable end causing movement of the second cable end and in which an intermediate cable pull means is provided between the first and second ends, movement of which causes movement of the second cable end.
2. A cable as defined in claim 1 in which the intermediate cable pull means is in the form of a cable attachment fixedly attached to the cable.
3. A cable as defined in claim 2 in which the cable attachment projects on at least two opposing sides of the cable.
4. A cable as defined in any preceding claim which is partially sleeved by sleeving.
5. A cable as defined in claim 4 which is partially sleeved between the intermediate cable pull means and the first cable end by a first portion of sleeving.
6. A cable as defined in claim 4 or 5 which is partially sleeved between the intermediate cable pull means and the second cable end by a second portion of sleeving.
7. A cable as defined in claim 5 and 6 in which an end of the first portion of sleeving proximate the intermediate cable pull means abuts a first abutment and an end of the second portion of sleeving proximate the intermediate cable pull means abuts a second abutment in which the first and second abutments are fixed relative to each other.
8. A cable as defined in claim 7 in which the first and second abutments form part of a housing open on at least one side.
9. A latch arrangement including a cable as defined in any preceding claim, a latch and a remote cable pull means.

10. A latch arrangement as defined in claim 9 when dependent upon Claim 5 or 6 in which at least one end of the first or second portion of sleeving proximate the intermediate cable pull means abuts a respective abutment fast with an adjacent structure.
11. A latch arrangement as defined in claim 9 when dependent upon Claim 7 or 8 in which the first and second abutments are fixed fast with an adjacent structure.
12. A latch arrangement as defined in claim 10 or 11 in which the adjacent structure is fixed relative to the latch.
13. A latch arrangement as defined in claim 10 or 11 or 12 in which the adjacent structure is fixed relative to the remote cable pull means.
14. A latch arrangement as defined in any one of claims 10 to 13 in which the latch can move relative to said adjacent structure.
15. A vehicle including a latch arrangement as defined in any one of claims 10 to 14 in which the intermediate cable pull means or remote cable pull means is accessible from within a boot compartment of the vehicle.
16. A vehicle as defined in claim 15 in which the adjacent structure is fixed relative to a boot lid of the vehicle.
17. A vehicle as defined in claim 15 in which the adjacent structure is fixed relative to the vehicle body.
18. A cable or a latch arrangement or a vehicle as herein before described with reference to or as shown in figure 1 of the accompanying drawing.





Please type a plus sign (+) inside this box → +

PTO/SB/01 (10-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

☐ Declaration Submitted with Initial Filing      **OR**      ☒ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

**Attorney Docket Number** 60130-1281/99AUT244

**First Named Inventor** Nigel Victor Spurr

**COMPLETE IF KNOWN**

**Application Number** 09 / 980,745 ✓

**Filing Date** November 15, 2001 ✓

**Group Art Unit** Unknown

**Examiner Name** Unknown

**As a below named inventor, I hereby declare that:**

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

CABLE

(Title of the Invention)

the specification of which

☐ is attached hereto

OR

☒ was filed on (MM/DD/YYYY) 11/15/2001 ✓ as United States Application Number or PCT International

Application Number 09/980,745 ✓ and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
GB 9911260.9 ✓ PCT/GB00/01772 ✓	Great Britain ✓ PCT ✓	05/15/1999 ✓ 05/10/2000 ✓	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
				<input type="checkbox"/>	<input checked="" type="checkbox"/>
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				<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

**DECLARATION — Utility or Design Patent Application**

Direct all correspondence to:

Customer Number  
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026096

OR ☐

Correspondence address below

Name

Karin H. Butchko

Address

400 W. Maple Road

Address

Suite 350

City

Birmingham

State

Michigan

ZIP

48009

Country

United States

Telephone

(248) 988-8360

Fax

(248) 988-8363

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR :

☐ A petition has been filed for this unsigned inventor

Given Name

(first and middle [if any])

Nigel Victor

Family Name

or Surname

SpurrInventor's  
SignatureN. Spurr

Date

19/11/01

Residence: City

BirminghamGBX

State

Country

U.K.

Citizenship

U.K. ✓Mailing Address 119 Tixall RoadMailing Address Hall Green

City

Birmingham

State

ZIP

B28 ORP

Country

United Kingdom

NAME OF SECOND INVENTOR:

☐ A petition has been filed for this unsigned inventor

Given Name

(first and middle [if any])

Family Name

or Surname

Inventor's  
Signature

Date

Residence: City

State

Country

Citizenship

Mailing Address

Mailing Address

City

State

ZIP

Country

☐ Additional inventors are being named on the \_\_\_\_\_ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

+

+

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## DECLARATION

## Name

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27 460

40.568

33,080

37 794

37 139

42.777

44,130

46.350

45.864

46.174

47.209

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

1. The first part of the document is a list of names and their corresponding addresses. The names are listed in a column on the left, and the addresses are listed in a column on the right. The names are: John Doe, Jane Smith, Robert Brown, Mary White, and David Green. The addresses are: 123 Main St, 456 Elm St, 789 Oak St, 101 Pine St, and 202 Cedar St.

2. The second part of the document is a table with two columns. The first column is labeled "Name" and the second column is labeled "Address". The table contains the same data as the first part of the document.

3. The third part of the document is a list of names and their corresponding addresses. The names are listed in a column on the left, and the addresses are listed in a column on the right. The names are: John Doe, Jane Smith, Robert Brown, Mary White, and David Green. The addresses are: 123 Main St, 456 Elm St, 789 Oak St, 101 Pine St, and 202 Cedar St.

4. The fourth part of the document is a table with two columns. The first column is labeled "Name" and the second column is labeled "Address". The table contains the same data as the first part of the document.

5. The fifth part of the document is a list of names and their corresponding addresses. The names are listed in a column on the left, and the addresses are listed in a column on the right. The names are: John Doe, Jane Smith, Robert Brown, Mary White, and David Green. The addresses are: 123 Main St, 456 Elm St, 789 Oak St, 101 Pine St, and 202 Cedar St.

6. The sixth part of the document is a table with two columns. The first column is labeled "Name" and the second column is labeled "Address". The table contains the same data as the first part of the document.

7. The seventh part of the document is a list of names and their corresponding addresses. The names are listed in a column on the left, and the addresses are listed in a column on the right. The names are: John Doe, Jane Smith, Robert Brown, Mary White, and David Green. The addresses are: 123 Main St, 456 Elm St, 789 Oak St, 101 Pine St, and 202 Cedar St.

8. The eighth part of the document is a table with two columns. The first column is labeled "Name" and the second column is labeled "Address". The table contains the same data as the first part of the document.

9. The ninth part of the document is a list of names and their corresponding addresses. The names are listed in a column on the left, and the addresses are listed in a column on the right. The names are: John Doe, Jane Smith, Robert Brown, Mary White, and David Green. The addresses are: 123 Main St, 456 Elm St, 789 Oak St, 101 Pine St, and 202 Cedar St.

10. The tenth part of the document is a table with two columns. The first column is labeled "Name" and the second column is labeled "Address". The table contains the same data as the first part of the document.